BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO DOBHIGOT IN WARD NO.01 OF YELAHANKA SUB-DIVISION

Estimate Cost Rs. 50.00 Lakhs

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)								
		Cum							
		1	1	15.00	12.00	0.45	81.00		
		1	1	14.00	8.00	0.45	50.40		
		1	1	16.00	5.00	0.40	32.00		
		1	1	12.00	3.80	0.45	20.52		
							183.92	169.56	31185.48
	Basic Rate	157.00							
	Area Weightage @8%	12.56							
	Total	**169.56**							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No.17.1)								
		Cum							
				Qty Vide Item No.1			**183.92**	100.00	**18392.00**
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Total	**100.00**							
3	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)								
		Cum							
	Columns	1	12	1.80	1.80	1.80	69.98		
	Plinth beam (LW) Store Room	1	2	6.60	1.00	1.00	13.20		
	SW	1	2	5.00	1.00	1.00	10.00		
	Plinth beam (LW) Toilet Room	1	2	4.00	1.00	1.00	8.00		
	SW	1	2	2.00	1.00	1.00	4.00		
	Water Storage Tank	1	1	4.00	3.00	2.75	33.00		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	compound wall	1	1	35.00	0.90	0.80	28.00		
		1	1	10.00	6.00	0.90	54.00		
					Net Qty		220.18	204.12	44943.96
	Basic Rate	189.00							
	Area Weightage @8%	15.12							
	Total	204.12							
4	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
		cum							
	Columns	1	10	1.80	1.80	0.15	4.86		
	Water Storage Tank	1	1	4.00	3.00	0.15	1.80		
		1	1	15.00	12.00	0.15	27.00		
		1	1	14.00	8.00	0.15	16.80		
		1	1	16.00	5.00	0.15	12.00		
		1	1	12.00	3.80	0.15	6.84		
	Plinth beam (LW) Store Room	1	2	6.60	1.00	0.15	1.98		
	SW	1	2	5.00	1.00	0.15	1.50		
	Plinth beam (LW) Toilet Room	1	2	4.00	1.00	0.15	1.20		
	SW	1	2	2.00	1.00	0.15	0.60		
	compound wall	1	1	35.00	0.90	0.15	5.25		
							79.83		
	deduct Columns	10	1	1.80	1.80	0.15	4.86		
					Net Qty		74.97	5256.36	394069.31
	Basic Rate	4867.00							
	Area Weightage @ 8 %	389.36							
	Total	5256.36							
5	KSRB 5.1-2 : Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6 (Uncoursed), bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.12 (Page No.23/ Item No.5.3)								
	filling	Cum							
	Allround cloth wash tank		2	13.20	2.40	1.10	69.70		
			2	10.00	2.40	1.10	52.80		
							122.50	3508.92	429829.00
	Basic Rate	3249.00							
	Area Weightage @8%	259.92							
	Total	3508.92							
6	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)								

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amo
	Cum							
Plinth beam (LW) Store Room	1	2	6.60	0.90	0.60	7.13		
SW	1	2	5.00	0.90	0.60	5.40		
Plinth beam (LW) Toilet Room	1	2	4.00	0.90	0.60	4.32		
SW	1	2	2.00	0.90	0.60	2.16		
Plinth beam (LW) Store Room	1	2	6.60	0.75	0.45	4.46		
SW	1	2	5.00	0.75	0.45	3.38		
Plinth beam (LW) Toilet Room	1	2	4.00	0.75	0.45	2.70		
SW	1	2	2.00	0.75	0.45	1.35		
Plinth beam (LW) Store Room	1	2	6.60	0.45	0.45	2.67		
SW	1	2	5.00	0.45	0.45	2.03		
Plinth beam (LW) Toilet Room	1	2	4.00	0.45	0.45	1.62		
SW	1	2	2.00	0.45	0.45	0.81		
compound wall	1	1	35.00	0.90	0.60	18.90		
	1	1	35.00	0.60	0.45	9.45		
Basic Rate	4187.00					**66.37**	4438.22	**294546.91**
Area Weightage @ 6%	251.22							
Total	**4438.22**							

7 KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, (Page No. 6 / Item No. 2.10)

	cum							
				Qty vide item No.3		**220.18**	137.16	**30200.44**
Basic Rate	127.00							
Area Weightage @8%	10.16							
Total	**137.16**							

8 Providing & laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs , with 20mm and down size graded granite metal,coarseaggregated @ 0.70cum ,and fine aggregated @ 0.460cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed -2008 machine mixed concrete laid in layers not exceeding 15 crns thick, vibrated for all works in foundation for footings,pedestals,retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts,struts, buttresses, bed blocks, anchor blocks, plinths etc.,including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.specifications No.KBS 4.1,4.6 (P.No.13/ I.No.4.12)

Ground floor	cum					
Columns footing	1	10	1.80	1.80	0.90	29.16
Pedestral	1	10	0.60	0.60	0.75	2.70
Plinth to roof	1	10	0.40	0.20	3.75	3.00

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Plinth beam (LW) Store Room	1	2	6.60	0.45	0.30	1.78		
SW	1	2	5.00	0.45	0.30	1.35		
Plinth beam (LW) Toilet Room	1	2	4.00	0.45	0.30	1.08		
SW	1	2	2.00	0.45	0.30	0.54		
Lintel (LW)	1	2	6.60	0.20	0.20	0.53		
	1	2	5.00	0.20	0.20	0.40		
	1	2	4.00	0.20	0.20	0.32		
	1	2	2.00	0.20	0.20	0.16		
Roof Beam	1	2	6.60	0.20	0.30	0.79		
	1	3	5.00	0.20	0.30	0.90		
	1	2	4.00	0.20	0.30	0.48		
	1	2	2.00	0.30	0.30	0.36		
Roof (store Room)	1	2	6.60	5.00	0.15	9.90		
Toilet	1	2	4.00	2.00	0.15	2.40		
loft	2	2	3.10	2.80	0.15	5.21		
Storage Tank cover	1	1	4.00	3.00	0.15	1.80		
Side wall	1	2	4.00	0.15	2.50	3.00		
	1	2	3.00	0.15	2.50	2.25		
W chejja	2	2	1.50	0.60	0.10	0.36		
	2	1	0.60	0.60	0.10	0.07		
Cloths wash tank	1	3	8.80	0.20	0.90	4.75		
	1	2	6.50	0.20	0.90	2.34		
	1	1	8.80	0.20	0.90	1.58		
bed	1	1	8.80	6.50	0.15	8.58		
						85.80		
Deduction Columns for Plinth beam	1	10	0.45	0.20	0.30	0.27		
Deduction Columns for Roof beam	1	10	0.45	0.20	0.30	0.27		
Deduction Columns for Lintels beam	1	10	0.45	0.20	0.15	0.14		
						0.68		
				Net Qty		**85.12**	6876.36	**585336.39**
Basic Rate	6367.00							
Area Weightage @8%	509.36							
Total	**6876.36**							

KSRB 5-11 : Providing and constructing load bearing wall with cement concrete cavities blocks (hollow blocks) of proportion 1:1.5:3 blocks of size 40x20x20cms.(lxbxh) strength not less than 3.5 Newton per sqmm with cement mortar 1:4 conforming to I.S.2185 of 1967 having not less than 40mm.shell thickness with two or more large cavities and having solid material between including cost of materials, labour charges, scaffoldings, curing complete as per specifications. KBS No.5.4 (P.24 / I.N 5.25)

Ground floor	Sqm							
LW	1	2	6.60		3.00	39.60		
SW	1	3	5.00		3.00	45.00		
	1	2	4.00		3.00	24.00		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
		1	2	2.00		3.00	12.00		
	compound wall	1	1	35.00		1.80	63.00		
							183.60		
	Deduction								
	Door	1	4	0.90		2.10	7.56		
	W	1	4	1.50		1.20	7.20		
	V	1	2	0.60		0.60	0.72		
							15.48		
					Net Qty		**168.12**	992.52	**166862.46**
	Basic Rate	919.00							
	Area Weightage @8%	73.52							
	Total	**992.52**							
10	KSRB 4.9.2: Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **-do-TMT Bars Fe 500** P.17/It.No.4.46.2								
		Qtl							
				Qty vide item No.8 in Qtl			**85.12**		
				in tonne for 120%			**10.215**	60534.00	**618340.28**
	Basic Rate	56050.00							
	Area Weightage @8%	4484.00							
	Total	**60534.00**							
11	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, **footings, bases of columns** for mass concrete including cost of all materials, labour complete as per specifications.Specification NO. KBS 4.6.2 (Page No. 15 / Item No. 4.28)								
		Sqm							
	Columns footing	1	10 x 4	1.80		0.90	64.80		
	Pedestral	1	10 x 4	0.60		0.75	18.00		
							82.80	249.48	**20656.94**
	Basic Rate	231.00							
	Area Weightage @8%	18.48							
	Total	**249.48**							
12	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for **columns, pillars, piers,** abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6. (Page No. 16/ Item No. 4.32)								
	GF	Sqm							
	Columns	1	10 x 2	0.40		3.15	25.20		
		1	10 x 2	0.20		3.15	12.60		
							37.80	395.28	**14941.58**
	Basic Rate	366.00							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Area Weightage @8%	29.28							
	Total	**395.28**							
13	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 (Page No. 15 / Item No. 4.31)								
	GF	Sqm							
	plinth beam LW	1	2	6.60		0.30	3.96		
		1	2	5.00		0.30	3.00		
		1	2	4.00		0.30	2.40		
		1	2	2.00		0.30	1.20		
	Lintel	1	2	6.60		0.20	2.64		
		1	2	5.00		0.20	2.00		
		1	2	4.00		0.20	1.60		
		1	2	2.00		0.20	0.80		
	Roof beam	1	2	6.60		0.30	3.96		
		1	3	5.00		0.30	4.50		
		1	2	4.00		0.30	2.40		
		1	2	2.00		0.30	1.20		
							29.66	316.44	9385.61
	Basic Rate	293.00							
	Area Weightage @8%	23.44							
	Total	**316.44**							
14	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **flat surface** such as suspended floors, roofs, landings, balconies and likes, **thickness upto 200 mm** including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 (Page No. 15/ Item No. 4.18)								
	GF	Sqm							
	Roof	1	2	6.60	5.00		66.00		
		1	2	4.00	2.00		16.00		
							82.00	338.04	27719.28
	Basic Rate	313.00							
	Area Weightage @8%	25.04							
	Total	**338.04**							
15	KSRB 15.3.13 : Providing **12mm thick cement plaster in single coat** with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (Page No. 114/ Item No. 15.21)								
	GF	Sqm							
		1	1	6.60	5.00		33.00		
		1	1	4.00	2.00		8.00		
							41.00	208.44	8546.04
	Basic Rate	193.00							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Area Weightage @8%	15.44							
	Total	**208.44**							
16	KSRB 15-3.10 : Providing **20mm thick cement plaster in single coat** with cement mortar **1:3,** to Stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curingetc.,complete as per specifications (Page No.114/Item No.15.18)								
	internal walls (GF)	sqm							
	Storage Room	2	2	3.00		3.00	36.00		
		2	2	4.60		3.00	55.20		
	Toilet	2	2	1.80		3.00	21.60		
	compound wall	2	1	35.00		1.80	126.00		
		2	2	1.60		3.00	19.20		
	Deduction						**258.00**		
	Door	1	4	0.90		2.10	7.56		
	W	1	4	1.50		1.20	7.20		
	V	1	2	0.60		0.60	0.72		
							15.48		
						Net Qty	**242.52**	279.72	**67837.69**
	Basic Rate	259.00							
	Area Weightage @8%	20.72							
	Total	**279.72**							
17	KSRB 15-3.10 : Providing **20mm thick cement plaster in single coat** with cement mortar **1:4,** to Stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curingetc.,complete as per specifications (Page No.114/Item No.15.19)								
	outside	Sqm							
	Store Room	1	2	6.60		3.15	41.58		
		1	2	5.00		3.15	31.50		
	Toilet	1	2	4.00		3.15	25.20		
		1	2	2.00		3.15	12.60		
	Deduction						**110.88**		
	Door	1	4	0.90		2.10	7.56		
	W	1	4	1.50		1.20	7.20		
	V	1	2	0.60		0.60	0.72		
							15.48		
						Net Qty	**95.40**	252.72	**24109.49**
	Basic Rate	234.00							
	Area Weightage @8%	18.72							
	Total	**252.72**							
18	KSRB 15.14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after througly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (Page No. 117 / Item No. 15.49.1)								

		Sqm						
				Qty vide item No.15		**242.52**	76.68	**18596.43**
	Basic Rate	71.00						
	Area Weightage @8%	5.68						
	Total	**76.68**						
19	KSRB 15-16 : Providing and finishing external walls in **two coats with waterproof cement paint** of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (Page No.118 / Item No. 15.53.2)							
		Sqm						
				Qty vide item No.16		**95.40**	90.72	**8654.69**
	Basic Rate	84.00						
	Area Weightage @8%	6.72						
	Total	**90.72**						
20	KSRB 15.7: Providing **lime rendering for plastering to wall and ceiling**, including cost of materials, labour, curing complete as per specifications (Page No. 114 / Item No. 15.33)							
		Sqm						
					Qty vide item No.14	**41.00**	27.00	**1107.00**
	Basic Rate	25.00						
	Area Weightage @8%	2.00						
	Total	**27.00**						
21	KSRB 7.11: Providing and fixing position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm. bottom section 1.3mm thick weight 1.07 Kg/m; sides and top sections 1.2 mm. thick weight 0.933 kg/m; shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm weight 0.417kg/m, shutter outer side 40mmx18mm, wall thickness 1.25mm, thick, weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc ; providing and fixing 5.5mm, thick plain glass for shutters fitted with rubber beading all aluminium including cutting to required length, joints mitred subdividing the frame tenonned and riveted in the assembled frame stiffened with end clops at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, (Page No. 33 / Item No. 7.11.1)							
		Sqm						
	W	2	2	1.50		1.20	7.20	
	V	1	2	0.60		0.60	0.72	
							7.92	4418.28	34992.78
	Basic Rate	4091.00						
	Area Weightage @8%	327.28						
	Total	**4418.28**						

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
21	Providing and fixing M.S grill work for window and ventilators weighing 21kg/sqm using M.S flats and M.S square approved designed drawing including cutting steel section and welding the same to require patern with a coat of red primer, cost of materials fixtures labour and HOM of Machinery complete as per specification (Page No.32 / Item No.7.9)								
	21kg/sqm	Kg							
	W	2	2	1.50		1.20	7.20		
	V	1	2	0.60		0.60	0.72		
					Total Qty		**7.92**		
					7.92 x 21.00		**166.32**	84.24	**14010.80**
	Basic Rate	78.00							
	Area Weightage @8%	6.24							
	Total	**84.24**							
22	Providing Honnewood frames of doors windows clrestory windows ventilators and other frames wrought framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps) but including cost of materials labour HOM of machineries complete as per specifications specification No.KBS 9.33(Page No.51/Item No.9.11)								
		Kg							
	D	4	*1*	*6.00*	*0.10*	*0.10*	*0.24*		
					Total Qty		**0.24**	111083	**26660.02**
	Basic Rate	102855							
	Area Weightage @8%	8228.40							
	Total	**111083**							
23	KSRB 9.5-1: Providing and fixing in position fully panelled **Honne wood** shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures).Specification No.9.34. (Page No. 51 / Item No.9.15)								
		Sqm							
	D	4	*1*	*1.00*		*2.10*	*8.40*		
					Total Qty		**8.40**	5014.44	**42121.30**
	Basic Rate	4643.00							
	Area Weightage @8%	371.44							
	Total	**5014.44**							
24	KSRB 15-17.4: Applying **priming coat over new wood surface and / or wood based surface,** after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications (Page No. 119 / Item No.15.58)								
		Sqm							
	D	1	*4*	*1.00*		*2.10*	*8.40*		
					*Both side of door*2*		**16.80**	33.48	**562.46**
	Basic Rate	31.00							

	Area Weightage @8%	2.48						
	Total	**33.48**						
25	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (Page No. 119 / Item No.15.60.1)							
		Sqm						
				Qty vide Item No.27		**16.80**	90.72	**1524.10**
	Basic Rate	84.00						
	Area Weightage @8%	6.72						
	Total	**90.72**						
26	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 600x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. (Page No. 107 / Item No.14.43)							
		Sqm						
		1	2	3.00	4.60	27.60		
						27.60	1285.20	**35471.52**
	Basic Rate	1190.00						
	Area Weightage @ 8%	95.20						
	Total	**1285.20**						
27	KSRB 14.14.4: Providing **Ceramic tiles of approved make,**shade and size for flooring, treads of steps and landing, laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with using colour pigment, including cost of materials, labour, complete as per specifications. (Page No. 106 / Item No.14.36.2)							
	existing	Sqm						
	Toilet Rooms flooring	1	2	1.80	1.60	5.76		
						5.76	1270.08	**7315.66**
	Basic Rate	1176.00						
	Area Weightage @8%	94.08						
	Total	**1270.08**						
28	KSRB 14.14.3: Providing skirting, dadoing, rises of steps with colour glazed tiles of size 10mm thick cement plaster 1:3 and joited with white cement over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. (Page No.106 / Item No.14.41.1) -do- colour glazed tiles 15X15cms 6mm thick							
	existing	Sqm						
	Toilet Rooms	2	2	1.80	2.10	15.12		
		2	2	1.60	2.10	13.44		
						28.56	1157.76	**33065.63**
	Basic Rate	1072.00						
	Area Weightage @8%	85.76						
	Total	**1157.76**						

No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
29	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete **(RMC)** M20 for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, for raft foundation, column footing, main and secondary beams with all lead and lifts etc.,complete (exclusive of cost of steel and fabrication charges.)Page No.18/Item No.4.49.3)-do- M30								
		Cum							
		1	1	15.00	16.00	0.15	36.00		
		1	1	14.00	16.00	0.15	33.60		
		1	1	16.00	16.00	0.15	38.40		
		1	1	12.00	16.00	0.15	28.80		
							136.80	6742.44	**922366.00**
	Basic Rate	6243.00							
	Area Weightage @8%	499.44							
	Total	**6742.44**							
30	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal Type, P-trap) with black solid plastic seat and lid, C. P. brass hinges, rubber buffers. 10 litre low level, P.V.C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labours complete as per specifications. KBS 11 (Page No. 77 / Item No.12.5)								
		pan							
			1	1			**1.00**	5540.40	**5540.40**
	Basic Rate	5130.00							
	Area Weightage @8%	410.40							
	Total	**5540.40**							
31	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) R.C.C. top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. (Page No. 73 / Item No.11.50)								
		No							
			1	4			**4.00**	7604.28	30417.12
	Basic Rate	7041.00							
	Area Weightage @8%	563.28							
	Total	**7604.28**							
32	KSRB 11.11.5 : Providing and fixing white vitreous china clay, flat back wash basin of size 450x300mm with single 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets ,cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. Page No. 81 / Item No.12.27								
		unit							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			1	3			3.00	2839.32	8517.96
	Basic Rate	2629.00							
	Area Weightage @8%	210.32							
	Total	2839.32							
33	Providing and fixing to wall , ceilling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fitting wall clips, making good the wall, ceilling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No. KBS 11. -do- with 110 mm dia (Page No.75/ Item No. 11.56.2)								
		m							
			2	4			8.00	743.04	5944.32
	Basic Rate	688.00							
	Area Weightage @8%	55.04							
	Total	743.04							
34	KSRB 11.15.2: Providing and fixing 453 x 357 mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing, including cost materials, labour complete as per specifications.(P.82 / I.N 12.41)								
		unit							
			1	2			2.00	1274.40	2548.80
	Basic Rate	1180.00							
	Area Weightage @8%	94.40							
	Total	1274.40							
35	*Providing and fixing chlorinated poly veny chloride (CPVC) pipes conforming to IS* 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing, this including jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete(internal work exposed on wall)(P.96 / I.N 13.85.2)20mm nominal OD pipes								
		m							
		1	2	10			20.00	145.80	2916.00
	Basic Rate	135.00							
	Area Weightage @8%	10.80							
	Total	145.80							
36	KSRB 13-6.3.1: Providing and fixing in position brass gate valve with C.I. wheel of approved quality (screwed end) 20 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3 (Page No.91/Item No.13.33)								
		Each							
		1	2	2			4.00	441.72	1766.88
	Basic Rate	409.00							
	Area Weightage @8%	32.72							
	Total	441.72							
37	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer block or blue and inner white layer of approved quality and make conforming to I.S.I./ISO/SSI specifications PWD SR 2012-13 (P.258 / I.N 37.58)								
		Ltr							
		1	2	4000			8000	6.48	51840.00
	Basic Rate	6.00							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Area Weightage @8%	0.48							
	Total	**6.48**							
38	KSRB 13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 20mm dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour, charges HOM of equipments and testing complete as per specifications. Specification No. KBS 13.2.14/13.8 (P.90/ I.N 13.2)								
		m							
		1	1	5.00			**5.00**	241.92	**1209.60**
	Basic Rate	224.00							
	Area Weightage @8%	17.92							
	Total	**241.92**							
39	Providing and fixing CI Nahani Trap of approved make conforming to ISI specifications and construction of cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). (P.91 / I.N 12.113.1)								
		No							
		1	2	2.00			**4.00**	270.00	**1080.00**
	Basic Rate	250.00							
	Area Weightage @8%	20.00							
	Total	**270.00**							
40	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgs/sq.cm working pleasure 25mm outside diameter chemp plast/wavin or equivalent make with pipe fittings, wall clips making good the wall, ceiling and floor including cost all material, labour charges, HOM of equipment and testing complete as per specifications.(P.N .94 I.N 13.76)								
		Mtr							
		1	2	6.00			12.00		
							12.00	117.72	**1412.64**
	Basic Rate	109.00							
	Area Weightage @8%	8.72							
	Total	**117.72**							
41	Providing and fixing on position brass bib cock of approved quality 25mm dia nomial bore including cost of all materials labour and HOM of equipments with all leads complete as per specifications.(P.N.91 I.N 13.25)								
		Each							
		1	3				3.00	293.76	**881.28**
	Basic Rate	272.00							
	Area Weightage @8%	21.76							
	Total	**293.76**							
42	Providing White vitreous china clay Indian pattern squatting urinals with white glazed foot rets of approved quality and make conforming to ISI specification and fixing in position with M-15 as directed of size 50.8 cms X 38 cms X 10.16 cms - A Grade (Rate includs cost of all materials and conveyance to work spot) (P.N.88 I.N 12.110)								
		Each							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
		1	1	1.00			1.00	1047.60	**1047.60**
	Basic Rate	970.00							
	Area Weightage @8%	77.60							
	Total	**1047.60**							
43	Providing and fixing M.S Gate as per chief architect drawing using 50mm x 50mm 14 guage M.S hollow pipe frame work bent to ornamental shape as shown in the drawinf and 35mm x 6mm and 16mm x16 mm squre rods for verticle alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S flats for horizontal member and at the top cast iron spikes are provided at alternate verticle members as shown in the drawingetc., complete all the steel surface shold be thoroughly cleaned free of dust and painted with anti corrosive paint (shop paint) etc.,complete the work includes cost of all materil labour charges for all items of work, hire charges for welding, cutting and grindingequipment and electrically charges with lead and lift, loading and unloading charges complete as per specification(P.42&43 / I.N 7.37)								
		Sqm							
			1	5.00		2.50	12.50		
							12.50	3299.40	**41242.50**
	Basic Rate	3055.00							
	Area Weightage @ 8 %	244.40							
	Total	**3299.40**							
44	2.0 HP/1.5KW Atalanta/Suguna/CRI / Kirloskar /Other Equivalent pumps (PWD SR16-17 & Page No. XXXXIV & S.No.17)								
		Each							
		1	1	1.00			1.00	26300.00	**26300.00**
	Basic Rate	26300.00							
	BOREWELL								
1	Geophysical investigations of site for sinking borewell for supplying drinking waster to the habitation either through the hand pump, MWS or PWSS by vertical electrical sounding by adopting verner or schlumbergers method. Including rerconnaissance survey of geological formation. Geeophysical investigation of existing ground water in the vicinity , nits quality, quantity and acceptabilkity7 of the users indicating the locations of site, recommended depth of casing pipe rerquired to seal the top unconsolidated formaation for proper depth of 1 meter in consolidating formation for proper seating of casing piupe depth of drilling required to cover dull deth of aquuifer proposed to be trapped propable yield and other information requirred including transportation of instrument and accessories to the work site, engaging technical personal and labour requirred (P-47. Item No.9.4)PRED SR 2012-13								
		No	1				**1.00**	1938.46	**1938.00**
2	Sinking of borewell of 165mm dia clear, using super fast hydralic rig of capacity 250 PSIG & above 900 CMF & above all strata including over burden up to 20m fixing of casing pipe, collars and capo with necessary cutting and threadimg including transportation of rig and swupporting vehicle, crew charges and copst of consumables etc., complete including yield testing at the final depth with a minimum working of comprressor for one hour (excluding cost of casing pipe, collers,cap) P-47. Item No.9.1)PRED SR 2012-13								
		Rmtr							
	0.00 to 50.00 mtrs		1	50.00			**50.00**	315.18	**15759.00**

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
3	50.00 to 100.00 mtrs		1	50.00			50.00	412.00	20600.00
4	100.00 to 150.00 mtrs		1	50.00			50.00	458.35	22917.50
5	150.00 to 200.00 mtrs		1	50.00			50.00	484.10	24205.00
6	200.00 to 250.00 mtrs		1	50.00			50.00	560.32	28016.00
7	250.00 to 300 mtrs		1	50.00			50.00	600.49	30024.50
8	300.00 to 350 mtrs		1	45.00			45.00	640.66	28829.70
9	Supply of ISI mark 175mm nominal bore plain end steel casing pipe grade of steel feet410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendment electric resistance welded tube material and confirming to IS 1387/1993 and manufactured by basic open harth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming to IS 4270:2001 and the other wnd with screwed pipes. All pipes shall be reasonally free from defects. the tubes shall be reasonably straight should be with ISI marking weighing 25.10 kg/mtr (inclusive of all taxes duties) price include coller-medium duty) P-III. Item No.84)								
		Rmtr							
			1	75.00			75.00	1325.00	99375.00
10	Providing 200mm dia PVC pipe 10kg/cm2 (SE PRED P.15 It.3.43)								
		Rmtr							
		1	25				25.00	1721.13	43028.25
11	Providing and Supplying 175 mm dia MS cap (as per PREC SR 2012-13) etc complete as per specification								
		No's							
			1				1.00	100.00	100.00
12	Supply and delivery of submersible pump sets suitable for borewell of 165 mm dia with specified dyty conditions as detailed below and satisfying performance characteristics for pump and moter specified in BIS with ISI mark with a minimum efficiency of 42% pump shall confirm to IS 8034/2002 and motor conforming to IS 9283/1995 with ISI certification with latest amendments for the following. 15HP/75KW ATALANTA/SUGUNA/CRI/KIRLOSKAR /OTHER EQUIVALENT PUMPS (page no.XXXXII / Sl.No.33 Code No.2)2015-16								
		No's							
			1				1.00	70600.00	70600.00
13	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50 mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. (SR of PWD for 2014-15, P.87, I-13.6)								
		Rmtr							
			1	330.00			330.00	544.32	179625.60
14	Supplying and drawing 3 crore flat PVC submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 to IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts.)P.No.49/ It.No.29c(1) 2.5sqm of 36 strands 0.3mm dia group-A KPWD Electrical SR 2014-15								
		Rmtr							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			1	2	350		700.00	188.70	132090.00
15	Erection of pump sets including alighning and balancing with all necessary erection of materials and labour including supply and erection of one pair of supporting clamps.one bporewell cap , cable clips. with bolts nuts valves guages,etc..,involved in the job (as per approved rate KUWS & DB for the year 2008-09)								
		Nos							
			1				1.00	3000.00	3000.00
16	Supply of heavy duty galvanised mild steel coller suitable for 50mm dia nominal bore galvanised mild steel								
		Nos							
			1	55			55.00	130.00	7150.00
17	Providing and fixing 175mm dia MS collar (PRED Bangalore Circle SR 2012-13 P.No.iii, I No. 86)								
		Nos							
			1	12			12.00	150.00	1800.00
18	Supply of non return valve suitable for 50mm dia nominal bore galvanised mild steel tube								
		Nos							
			1				1.00	1544.40	1544.40
19	Supply of on load charges over switches 4 poles 415V 5hr ac supply 100-125 amps group A								
		Nos							
			1				1.00	9845.00	9845.00
20	Supply and fully automatic star delta unit push button type with siutable wires 3 conectors one adjustable thermal timer mounted on a common base late held in steel enclosure for use on 440/440 volts 3 phase and wired after to the existing wooden board for motor 15 HP								
		No.							
			1				1.00	5665.00	5665.00
21	Erection of single phase preventor ammeters/including fixing sector switch/current operated earth leakage circuit breakers voltage operated circuit breaker abobe 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including transportation charges from spot (P.28lt.16)								
		No.							
			1				1.00	1500.00	1500.00
22	fabricating supplying and mounting 1200x900x350 mm MS box of 18 SWG Suitable for floor/wall mounting fully weather proof with double stanted top as per drawing with provision for better haet dissipation provided with hinged front cover equipped with tamper proof locking arrangements with suitable size clamps with necessary cable entry pipe wqith gland and box should be finished with approved colour enamelled metal paint etc., complete box of 36200sqcm @ Rs0.20 SWG(BWSSB SR P-352 lt.41)								
		No.							
			1				1.00	7866.00	7866.00
23	Supplying and fixing miniature circuit breakers/solaters on existing MCB box distribution boards using necessary fixing materials and wiring complete as required 32 to 63 amps triple pole with all lead and lift, loading unloading and labour charges etc., complete as per specification (BWSSB SR P-352 lt.15)								
		No.							
			1				1.00	2090.00	2090.00

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
24	Supplying and running og GI copper strips of grounding connections using necessary fixing materials required 600x600x3mm GI Plate (P-378 It.9)								
		No.							
			1				1.00	1072.00	1072.00
25	Supplying and fixing of porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washer etc., complete(P.32,It.3 KPWD Electrical SR 2010-11)								
		No.							
			1				1.00	201.40	201.40
26	fabrication supplying and mounting MS box of 16 SWG Suitable for floor/wall mounting fully weather proof with provision for better heat dissipation provided with hinged front cover equipped with tamper proof locking arrangements with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600sqcm @ Rs0.33 SWG (P-49 It.6.40.2) (KPWD Electrical Sr 2014-15)								
		No.							
		1	21600				21600.00		
							21600.00	0.33	7128.00
27	Supplying and delivery at site brand neew star/essen/suns/adarsh/GK controls best indegenous make combined energy meter-cum-control panel board unit of size 600x450x200 mm minimum mechanically strong vermin proof and water proof.the unit shall have two data cable doors suitable for operation on 3ph.50hz, 380/440 volts, AC supply with spring loaded latch locking devices with key ribs should be provided with doors, canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board suitable for operation the panel board shall be fabricated on single unit in the above components for suitable pumpsets (PRED Bangalore Circle SE Approved Date 30.07.2010 15HP to 30HP star Delta Starter)								
		No.							
			1				1.00	10000.00	10000.00
28	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanised steel wire/steel tape armored cable with PVC outer sheathing 101 KV class 4 crore 16 sqmm(P.W.D Electrical SR)								
		Rmtr							
			1	50.00			50.00	150.00	7500.00
29	Labour charges for laying of 1.1 KV class UG cable when supplied agency vin existing trench GI pipe3 stonewarre pipe/ on wall/ on pole as required (P.W.D Electrical Sr P-68, 1-11a)								
		Rmtr							
			1	50.00			50.00	8.00	400.00
30	Digging of trench of 0.6 m deep x 0.50 mtrs wide rrefilling the trench to the required ground level and consolidating etc completeP.W.D Electrical Sr P-68, 1-8.12b)								
		Rmtr							
			1	50.00			50.00	60.00	3000.00
31	Supplying and fixing of a class A (medium) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 Kv class 65mm (P.W.D Electrical Sr 08-09 P-68, 1-8.12b)								
		Rmtr							
			1	4.00			4.00	240.00	960.00

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
32	Supplying, fixing, wiring, earth electrode for grounding conduits, IC cutouts & other equipments on the meter broad using 40mm dia 2.9 thick GI pipe 2.5 mtr long burried in a pitg. The pit should be filled withb equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. the connection from the pipe of ther conduit etc., is to bed establishe through GI wire size as over ISI specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and check nut etc, the pipe shall have 16 through holes of 122 mm dia (P.W.D Electrical Sr P-66, 1-7b)								
		No.							
			1				1.00	1495.00	1495.00
33	Supplying ands fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, Bolts, nuts & washers etc 4 crore 16 sqmm (P.W.D Electrical Sr 08-09 P-66, 1-16a)								
		No.							
			1				1.00	260.00	260.00
	WATER SUPPLY								
34	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3)								
		Cum							
			1	250.00	0.60	0.90	135.00		
							135.00	**200.34**	**27045.90**
	Basic Rate	189.00							
	Area Weightage @ 6 %	11.34							
	Total	**200.34**							
35	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00 kgs/sq.cm working pressure 63 mm outside diameter with special flange, compression type fittings, wall clips , making good the wall, ceiling and floor including cost all material, labour charges, HOM of equipments and testing complete as per specifications.(P.N .93 I.N 13.70.3)								
		Rmtr							
			1	250.00			250.00		
							250.00	**289.38**	**72345.00**
	Basic Rate	273.00							
	Area Weightage @ 6 %	16.38							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Total	**289.38**							
39	Refilling available earth around pipelines, cables in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering lead upto 50m and lift upto 1.5m including cost of labour complete as per specification (P. No.6 I.No.2.11)								
		Cum							
				Qty Vide Item No.35			108.00	80.56	8700.48
	Basic Rate	76.00							
	Area Weightage @ 6 %	4.56							
	Total	**80.56**							
40	KSRB 13-6 3.1: Providing and fixing in position **brass gate valve** with C.I. wheel of approved quality (screwed end) 50 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3 (Page No.91/Item No.13.37)								
		Each							
				2			2	2175.12	4350.24
	Basic Rate	2052.00							
	Area Weightage @ 6 %	123.12							
	Total	**2175.12**							
41	Providing and fixing on position brass bib cock of approved quality 25mm dia nomial bore including cost of all materials labour and HOM of equipments with all leads complete as per specifications.(P.N.91 I.N 13.25)								
		Each							
			5				5.00	288.32	1441.60
	Basic Rate	272.00							
	Area Weightage @ 6 %	16.32							
	Total	**288.32**							
							Sub-Total Amount		4579454.00
42	9% for KRIDL Charges								412151.00
43	Miscellaneous and unforeseen charges								8395.00
							Total Amount		5000000.00

(Rupees Fifty Lakhs Only)

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2) The rates adopted are as per PW,P IWTD SR of 2016-17
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.01
B.B.M.P.

Executive Engineer
Yelahanka Division
B.B.M.P.

ADMINISTRATIVELY SANCTIONED FOR Rs. 50 Lakhs
Rupees Fifty lakhs only

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P.

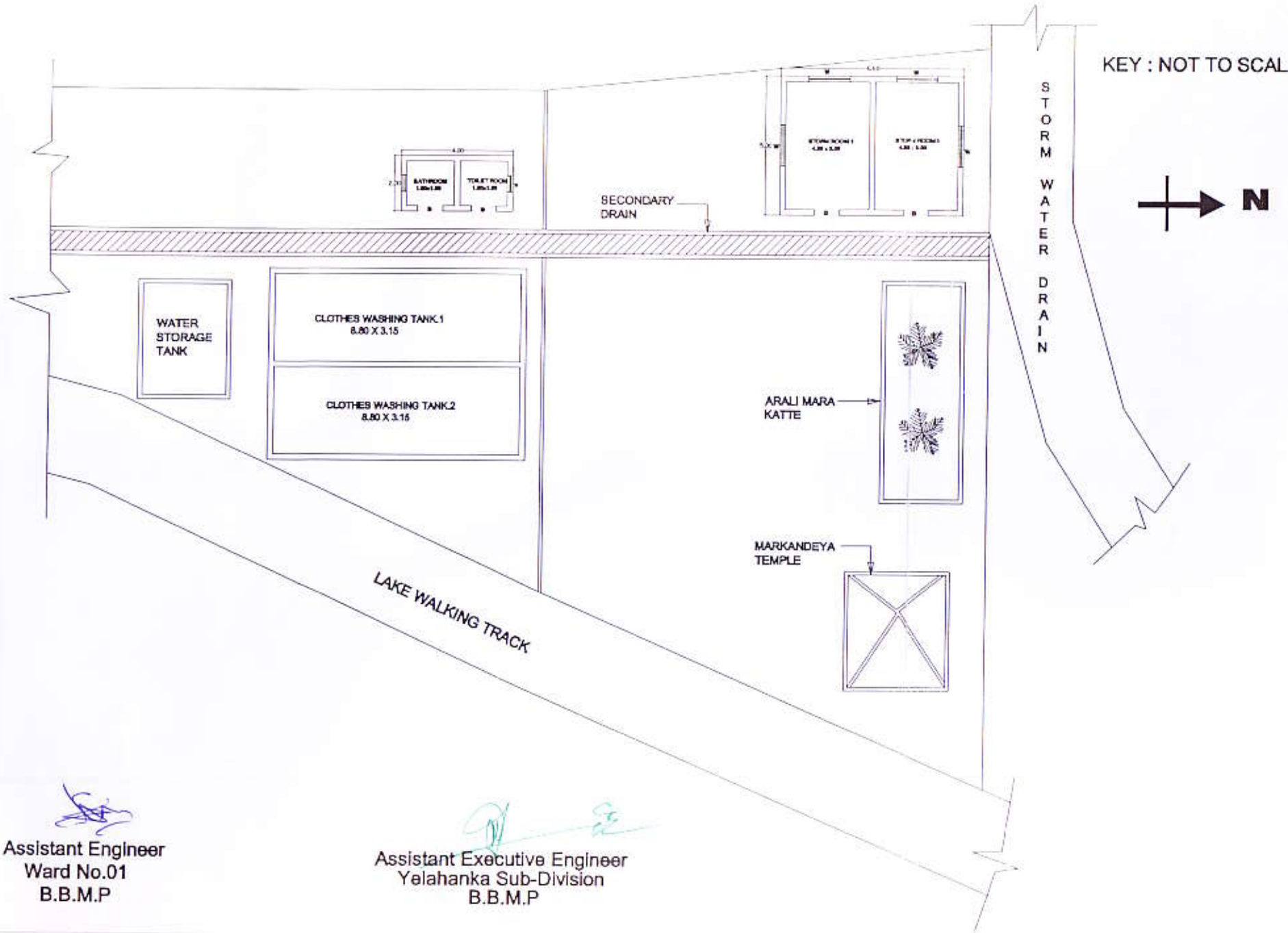
Technical Sanction
Accorded For ....50.00 lakhs.
Head of A/C.....P3250
CER NO :.....176 Dt:.. 21.8.17

TA to CE (YNK)

Ref: J.C(Y) PR/AS/35/17-18
Dated 21-8-2017 50.00 lakhs

Joint Commissioner
(Yelahanka Zone)
BBMP

NAME OF WORK : IMPROVEMENTS TO DOBHIGOT IN WARD NO.01 OF YELAHANKA SUB-DIVISION

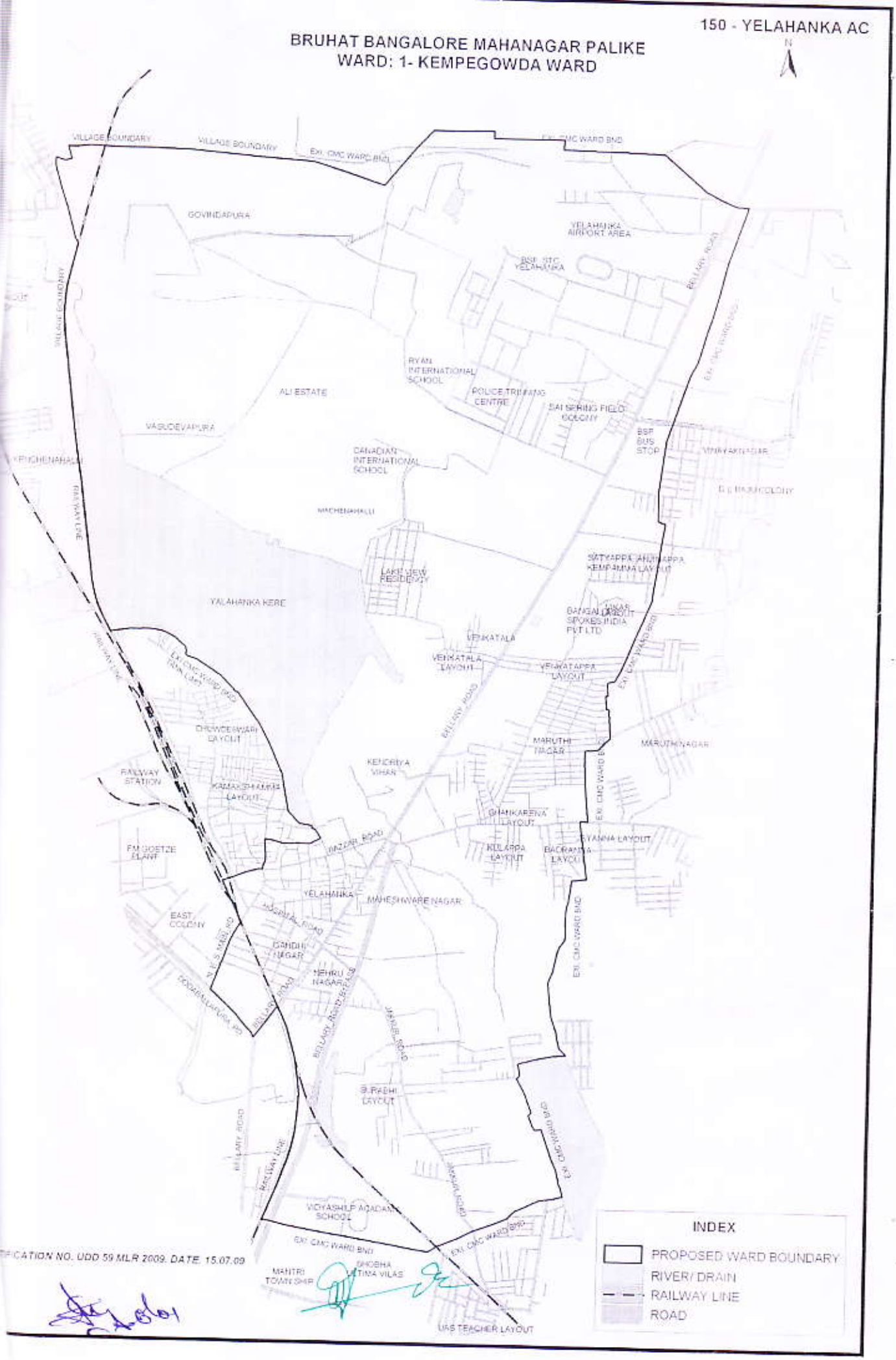


Assistant Engineer
Ward No.01
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

150 - YELAHANKA AC

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 1- KEMPEGOWDA WARD



NOTIFICATION NO. UDD 59 MLR 2009, DATE. 15.07.09